

REMARKS

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action. All details of the reference prior arts are fully considered and compared with the present invention.

Indeed the citations disclose some features of the present invention, and the applicant agrees with these viewpoints, however applicant discovers that some main features of the present invention are not disclosed in the citation which can form the novelty and inventive step of the present invention.

To illustrate the novelty of the present invention and overcome the objection from the citations, the applicant decides to cancel Claims 1 to 3, without prejudice or disclaimer of the subject matter thereof, and amended claim 4. The claim 4 is added in the previous office action which is the combination of the original claims 1 to 3 and a feature about the mask 123, the through holes 121, and long straight holes as illustrated in Fig. 2 of the present invention. Thereby, it is assured that the new claims are based on the original claim and specification and thus no new matter is added. The relation of the new claims with respect to the original claims are shown in the following.

CLAIMS SHOWING NUMERAL AND AMENDMENT FOR DISCUSSION IN THE REMARK

Claim 1 to 3 (Cancelled)

Claim 4. (Currently Amended) A heat dissipating device of a power supply; the power supply being installed at a rear side of a computer; the power supply 1 comprising a base 11 and a cover 12; wherein power is conducted into a receptacle 13 at a

back side of the base 11; a voltage of the power is reduced by an electric element 14 and then is supplied to the computer; the cover 12 having an upper end and two opposite lateral sides; the
an upper end of the cover 12 is formed with a through hole 121
the size of which is expanded as large as possible in the upper
end of the cover; a fan 122 is installed in an interior of the through hole; the fan 122 sucks outer cool air to blow the interior electronic element 13; the air is vented out from a
plurality of hexagonal ventilating holes 110 at the backside of
the base; a plurality of long straight holes arranged at a side of
the base opposite to the backside side having the hexagonal
ventilating holes 11; and a plurality of long straight hole in each
of the two opposite sides of the cover;

wherein a mask 123 covers upon the through hole;

wherein the fan 122 senses the temperature of the power supply 1 and the rotation speed of the fan 1 is adjustable;

wherein the mask 123 is formed by a plurality of co-central round rings and two L shape strips which are fixed to the cover by four screws; and

wherein the base 11 has an approximate U shape and the cover 12 has also an approximate U shape; after assembly the cover 12 covers on the base 11 by using screws.

DISCUSSION ABOUT THE NOVELTY OF THE PRESENT INVENTION

(A) ABOUT THE REJECTION BY THE CITATION USP6,396,675

(1) The feature of the present invention is that:

~~"a through hole 121 the size of which is expanded as large as possible in the upper end of the cover, and~~

The feature is indicated in the attached drawings

Referring to the citation USP6,396,675, it is illustrated that the power supply has two opening 11 (in Fig. 1 of the citation), and 12 (in Fig. 2 of the citation).

The opening 12 in the citation '675 serves to suction air into the fan. The opening only occupies a small area of the whole area. It is not ~~"as large as possible"~~². The defect is that the opening is small and thus only a small amount of the air is sucked into the power supply. Thereby the capacity of the fan is small. Furthermore, the opening 11 (see Fig. 1 of the citation '675) is also small. As a result, only a little amount of air can be vented from the opening 11. This the main defect in the prior art. It induces that the capacity of fan is small.

However in the present invention, the through hole 121 at the top of the cover 12 is as larger as possible, and thus a large amount of air can be sucked. However to have a greater area for venting air, in the present invention, there are following holes being used as venting holes (referring to attached drawings).

(2) Furthermore, the present invention has the following features:

~~(i) a plurality of hexagonal ventilating holes 110 at the backside of the base and~~

~~(ii) a plurality of long straight holes are arranged at a side of the base opposite to the backside side having the hexagonal ventilating holes 11,~~

~~(iii) a plurality of long straight holes in each of the two opposite sides of~~

the cover:

Thereby in the present invention, there are many holes being used for venting air so as to it has sufficient area to vent air.

Thus the advantage of the present invention is that the capacity of the fan can be expanded than the prior art

Furthermore, from above discussion, it is known that the structure of the present invention is different from the citation '7 and the function of the present invention is better than the prior art. Thus the present invention is novel and inventive over the citation '675.

(B) ABOUT THE REJECTION BY THE CITATION USP6,067,227

(1) For the following feature of the present invention;

"a through hole 121 the size of which is expanded as large as possible in the upper end of the cover," and

However in the citation '227, see Fig. 6 of the citation, the hole in the upper end of the cover is two rectangular holes.

In Fig. 28 of the citation, the hole is at a lower left area of the cover.

(2) For the following feature of the present invention:

(i) a plurality of hexagonal ventilating holes 110 at the backside of the base and

(ii) a plurality of long straight holes are arranged at a side of the base opposite to the backside side having the hexagonal ventilating holes 11;

(iii) a plurality of long straight holes in each of the two opposite sides of the cover.;

However the citation '227 dose not disclose any structure similar to the above features (i), (ii) and (iii).

Thereby the citation does not make the capacity of the fan to an extreme value as that can achieved by the present invention.

(C) In the present invention, ~~wherein the base 11 has an approximate U shape and the cover 12 has also an approximate U shape, after assembly the cover 12 cover on the base 11 by using screws.~~

Referring to any drawings of the citation '227 and citation '675, it is illustrated that no the base is a plate like shape and the cover is a hollowed plate. The shapes of the cover and the base of the present invention is different from those of the present invention.

The design of the base and cover of the present invention has a simple structure and can be assembled easily. However this cannot be achieved by the prior art.

(E) RESULT

Since in above discussion, it is apparent that no prior art has the above features of the present invention, especially in new claim 4. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

If there is any error in the specification, or claims, applicant requests and authorizes Examiner to amend the claims, specification and drawings of the present invention so that they can match the requirement of U. S. Patent. Attentions of Examiner to this matter are greatly appreciated.

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectively requested.

Respectfully submitted.

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